AMENDMENTS TO THE CLAIMS

The following Listing of Claims will replace all prior versions and listings of claims in this application.

LISTING OF CLAIMS

1. (Currently amended) An X-ray image processing device for creating a display image from an X-ray image in which at least a marker image and a body part image ~~two spatially separate objects~~ are displayed, wherein part-images which show the marker image and body part image ~~objects~~ are determined in the X-ray image and the part-images are arranged in the display image in a spatially separate manner, wherein the size of the display image is such that the part of the display image that is free of the part-images is smaller than the corresponding part of the X-ray image.

2. (Currently amended) An X-ray imaging device comprising:
- an X-ray source for generating X-ray radiation,
- an X-ray image detector for acquiring X-ray images,
- an image processing device for creating a display image from an X-ray image in which at least ~~two spatially separate objects~~ a marker image and a body part image are displayed, wherein part-images which show the marker image and body part image ~~object~~ are determined in the X-ray image and the part-images are arranged in the display image in a spatially separate manner, wherein the size of the display image is such that the part of the display image that is free of the part-images is smaller than the corresponding part of the X-ray image.

3. (Currently amended) The [[An]] X-ray device ~~as claimed in~~ of claim 2, wherein in each case the same surface area of the X-ray image detector is exposed to X-ray radiation as the X-ray images are being created.

4. (Currently amended) The [[An]] image processing device ~~as claimed in~~ of claim 1, wherein the part-images are spaced a minimum distance apart in the display image.

5. (Currently amended) The [[An]] image processing device ~~as claimed in~~ of claim 1, wherein the X-ray images are mammography X-ray images.

6. (Cancelled)

7. (Currently amended) A method [[of]] for creating a display image from an X-ray image, comprising the following steps:

a) determining part-images~~, which each show an object,~~ in the X-ray image of each of a marker and a body part,

b) arranging the part-images in the display image in a spatially separate manner,

c) dimensioning the size of the display image such that the part of the display image that is free of the part-images is smaller than the corresponding part of the X-ray image.

8. (Currently amended) The [[A]] method ~~as claimed in~~ of claim 7, comprising the further step:

d) filling the part of the display image that is free of the part-images with image information from the part of the X-ray image that is free of the part-images.

9. (Currently amended) The [[An]] image processing device ~~as claimed in~~ of claim 1, wherein in order to determine the part-images use is made of a segmenting method in which the image values of the part of the X-ray image that is free of the part-images are determined and a coherent image area which contains mainly pixels with these image values is determined in the X-ray image.

10. (Cancelled)

11. (New) A computer-readable storage medium comprising instructions for creating a display image from an X-ray image comprising:

a) storing in the medium an X-ray image comprising a marker image and a body part image;

b) determining part-images of the marker and the body part from the X-ray image;

c) arranging the part-images in a spatially separate manner in the display image in the storage

medium; and

d) dimensioning the size of the display image such that the part of the display image that is free of the part-images is smaller than the corresponding part of the X-ray image.